## LYONS CREEK #1 TIMBER SALE

August 18, 2008 Land Board

## Location of Sale:

- Helena Unit (CLO) Approximately 26 miles northwest of Helena, Montana; off of Highway 279.
- Lewis & Clark County Section 18 & 20, T14N-R5W
- Trust Distribution: 100% Pine Hills Permanent (SRS)

## Sale Volume & Estimated Value:

- The estimated sale volume is 4,579 tons (515 MBF) with an estimated minimum value of \$33,106.17 or \$7.23/ton.
- In addition to the stumpage value, a fee of \$1.32/ton for Forest Improvement will be charged for all merchantable sawlog timber harvested.
- 8.89 tons/MBF is the estimated conversion factor.

## Sale & Harvest Treatments:

- The sale consists of two harvest units totaling 139 acres.
- This salvage timber sale would harvest dead and damaged Douglas-fir infested with western spruce budworm and Douglas-fir beetle, and lodgepole pine infested with mountain pine beetle.
- The severity of budworm damage on Douglas-fir will dictate silvicultural treatments. Where slight defoliation is detected, an intermediate thinning would be applied. In areas of heavy mortality, a seed tree harvest would be applied.
- This sale contains no old growth.

## **Harvest Systems:**

- 40% Excaliner- (a specialized line machine capable of working off roads)
- 60% Ground Based

#### **Road Construction:**

An existing road that is on private property would be used to access this sale. Nearly 1.63
miles of new road construction would be built on State Trust Lands to access harvest
units. This portion of the road system would be closed to motorized use by pulling fill
material back to near slope grade and scattering stumps and debris.

## **Public Involvement:**

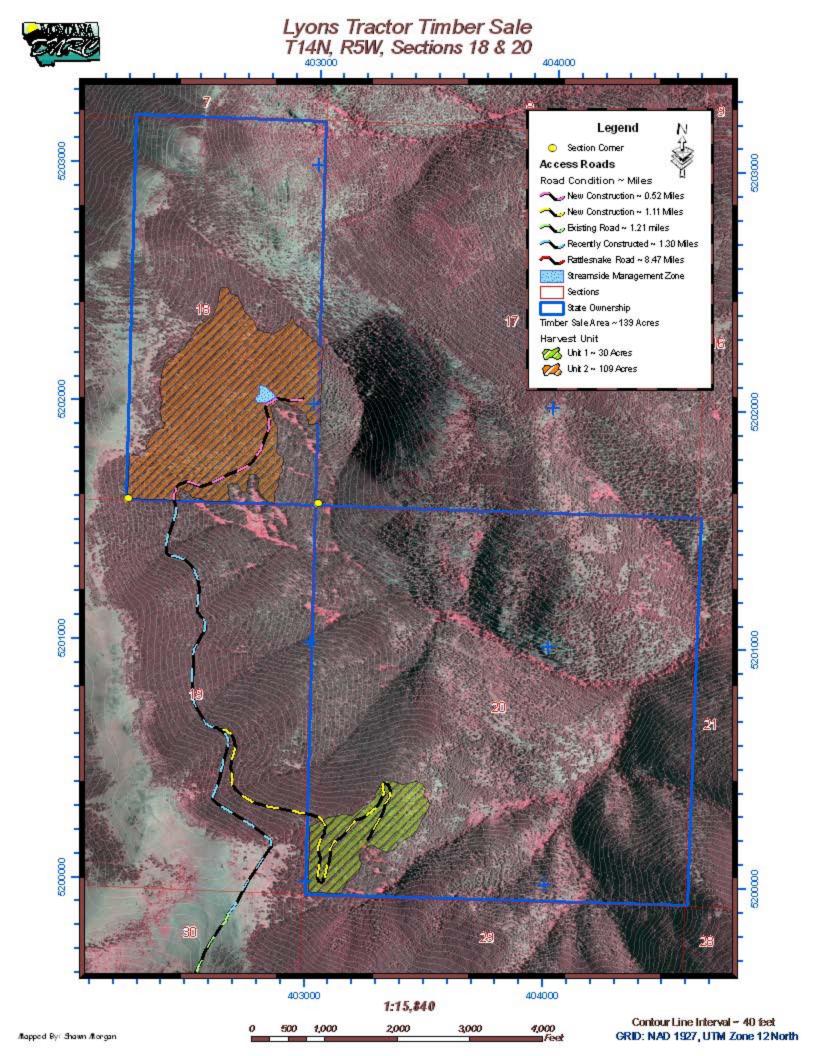
 Public scoping began in August, 2006 with the mailing of the initial proposal to adjacent landowners, organizations, and interested parties. Legal notices where published in the Helena Independent Record in September of 2006. Concerns brought forward through the public scoping process have been addressed in the Environmental Assessment Checklist.

## **Issues and Mitigations:**

**Wildlife** - Understory trees will be maintained within the sale area to decrease the visibility of hunters in order to protect big game. Harvest restriction periods have been incorporated into the sale to cover a Conservation Easement on adjacent land for hunting opportunities. There will be no harvesting on the sale between September 1<sup>st</sup> through November 30<sup>th</sup>, and access roads will be closed upon completion of the sale.

The Director recommends the Land Board direct the Department to sell the Lyons Creek #1 Timber Sale.

## Lyons Tractor Timber Sale Access Roads 40 10 00 402000 400000 398000 403000 404000 405000 406000 397000 399000 5203000 5203000 minimum 13 17 5202000 16 5202000 5201000 5201000 5200000 5200000 5139000 26 5138000 5197000 minimum properties 5197000 5196000 5195000 12 Legend milminimi Highways: 5194000 Sections 5194000 Section Corner Access Roads Road Condition ~ Miles 5183000 New Construction ~ 0.52 Miles 5138000 New Construction ~ 1.11 Miles Existing Road ~ 1.21 miles Recently Constructed ~ 1.30 Miles 5192000 Rattlesnake Road ~ 8.47 Miles 5192000 Streamside Management Zone State Ownership Timber Sale Area ~ 139 Acres Harvest Unit 5191000 Unit 1 ~ 30 Acres 5191000 Unit 2 ~ 109 Acres .... 402000 1:55,000 404000 405000 397000 398000 399000 400000 40 10 00 403000 406000 Contour Line Interval - 40 feet 1,900 3,800 7,600 11,400 15,200 Mapped By: Shawn Morgan GRID: NAD 1927, UTM Zone 12 North





# Lyons Creek I Timber Sale Vicinity Map T14N, R5W, Sections 18 & 20



